

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A control valve, comprising:
a valve body having an inlet, an outlet, and a chamber between the inlet and the outlet;
a valve plug slidably disposed within the valve body;
a valve stem connected to the valve plug; and
a seat ring assembly disposed within the chamber, the seat ring assembly having a first end and a second end and being threadably fastened to the valve body, the seat ring assembly further including a bore for receiving the valve plug in the first end and a bushing disposed within the first end;
wherein the valve plug slidably engages the bushing and remains substantially concentric with a valve seat disposed at the an interior of the second end.
2. (original) The control valve of claim 1, wherein the control valve is unbalanced.
3. (original) The control valve of claim 1, wherein the seat ring assembly is fastened to the valve body without any gasket therebetween.
4. (original) The control valve of claim 1, wherein the seat ring assembly includes at least one aperture through a cylindrical wall thereof.
5. (original) The control valve of claim 1, wherein the seat ring assembly includes a plurality apertures through a cylindrical wall thereof in a predetermined pattern.
6. (original) The control valve of claim 5, wherein the plurality of apertures are provided in predetermined shapes.

7. (original) The control valve of claim 5, wherein the plurality of apertures are provided as a plurality of drilled holes.

8. (original) The control valve of claim 1, wherein the valve plus includes a substantially cylindrical base from which a nose extends, the nose being shaped so as to provide desired flow characteristics.

9. (currently amended) A seat ring assembly for a valve having a throttling element, the assembly comprising:

~~a housing having a bore, the housing having at least one aperture therein, the housing having a first end and a second end;~~

~~a valve seat formed on an interior surface of the second end;~~

~~a plurality of threads formed on an exterior surface of the second end, the seat ring assembly being integrally formed as one piece wherein a diameter of the first end is less than a diameter of the second end thereby forming a guide surface within the seat ring assembly.~~

a housing having a first end and a second end, a central bore extending from the first end to the second end and at least one aperture formed between the first and second ends, the bore being sized to receive the throttling element;

the housing first end including a reduced diameter section sized to engage and guide an exterior surface of the throttling element; and

the housing second end including a valve seat sized to sealingly engage the throttling element and a threaded exterior surface.

10. (currently amended) The seat ring assembly of claim 9, wherein the reduced diameter section of the first end is ~~reduced~~ formed by positioning a bushing within the first end.

11. (original) The seat ring assembly and seat ring assembly of claim 9, the seat ring assembly including a plurality of apertures.

12. (currently amended) A method of assembling a control valve, comprising:
inserting an integrated post-guided seat ring assembly into a control valve body, the seat ring assembly having a first end defining a reduced diameter section sized to engage and guide an exterior surface of a throttling element and a second end having a valve seat sized to sealingly engage the throttling element and a threaded exterior surface;
threadably attaching the second end of the integrated post-guided seat ring assembly to the control valve body; and
securing a bonnet assembly to the control valve body.
13. (original) The method of claim 12, wherein the control valve is an unbalanced globe valve.
14. (original) The method of claim 12, wherein the control valve is post-guided.
15. (original) The method of claim 12, wherein the bonnet assembly is secured to the control valve body using threaded fasteners.
16. (new) The method of claim 12, wherein the seat ring assembly creates an outer structure, the outer structure surrounding a hollow, the hollow extending from the first end to the second end.
17. (new) The method of claim 12, wherein the first end houses a bushing, the bushing acting directly on the valve plug.
18. (new) The control valve of claim 1, wherein the bore creates a hollow of sufficient size to house the valve plug at the first end.
19. (new) The control valve of claim 1, wherein the bushing acts directly on the valve plug.